

INTERNATIONAL SEARCH REPORT

International Application No PCT/EP 03/00520

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01V3/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G01V H01Q G01S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 094 157 A (COWDRICK DENNIS H) 25 July 2000 (2000-07-25) abstract; figures 8-11 column 11, line 8 - line 54 -----	1
A	US 6 091 354 A (BECKNER FREDERICK L ET AL) 18 July 2000 (2000-07-18) abstract; figure 4C column 7, line 35 - line 45 -----	1
A	US 6 084 412 A (GUO YANPING ET AL) 4 July 2000 (2000-07-04) abstract; figure 1 column 3, line 56 -column 4, line 25 -----	1
A	US 5 634 378 A (BURKHARDT JR FRED R ET AL) 3 June 1997 (1997-06-03) abstract; figure 1 -----	1

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Patent family members are listed in annex.

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Date of the actual completion of the international search

Date of mailing of the international search report

4 April 2003

16/04/2003

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/00520

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 6094157	A 25-07-2000	AU 4243597 A	GB 2332799 A	26-03-1998
		WO 9810310 A1		30-06-1999
US 6091354	A 18-07-2000	NONE		
US 6084412	A 04-07-2000	US 2002030492 A1		14-03-2002
US 5634378	A 03-06-1997	NONE		

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T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *S* document member of the same patent family	
Date of the actual completion of the international search 4 April 2003	Date of mailing of the international search report 16/04/2003
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Niemeijer, R

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US 6091354	A 18-07-2000	NONE		
US 6084412	A 04-07-2000	US	2002030492 A1	14-03-2002
US 5634378	A 03-06-1997	NONE		